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LISTS OF SPECIES

Birds, Ilha Grande, state of Rio de Janeiro, Southeastern Brazil

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Abstract
We provide a list of bird species from our primary surveys and secondary data for an island (Ilha Grande) in southeastern Brazil. The information derives mainly from primary data collected since 1995, particularly in the oceanic side of the island. The methodologies included capture-mark-recapture studies using mist nets, transects (visual and vocal records) and supplementary observations. Our total species list from primary data is 175 species (127 captured) and 47 species were added from secondary data. This represents 222 species from 58 families. Of this total, 44 are endemic to Atlantic forest and nine are threatened with extinction. Our results are discussed comparing our study area with another large island included in the *Serra do Mar* corridor (Ilha de São Sebastião), and also a nearby continental area (Paraty). The results indicate the importance of Ilha Grande as a reservoir of bird species of Atlantic forest.

Introduction
The Atlantic forest is a top global priority for conservation (Myers et al. 2000). However, some habitats of the Atlantic forest are poorly known, such as the montane coastal forests of Ilha Grande, state of Rio de Janeiro, which holds several endemics of this bioma, including endangered species (Alves et al. 2000a; Alves 2001). Although Ilha Grande is part of one of the largest continous remnants of the Atlantic forest in the state of Rio de Janeiro, there are few publications on its bird fauna. The great majority of published studies about birds from Ilha Grande is related to aspects of population ecology, such as interactions, autoecology or breeding (Alves et al. 2001). Here, we provide a list of species found during our primary surveys of the forests of Ilha Grande, particularly around Vila Dois Rios, the oceanic part of the island, as well as secondary data.

Study Site and Methods
Ilha Grande is a 19,300 ha continental island located in the municipality of Angra dos Reis (23°15' S, 44°15' W), on the southern coast of the state of Rio de Janeiro. The field surveys for the present study were carried out in a protected area, *Parque Estadual da Ilha Grande*, which comprises more than a half of the island.

Ilha Grande forms part of one of the largest continuous remnants of Atlantic forest in the state (Figure 1). Annual rainfall in the area is around 1,700 mm, and mean annual temperature is about 23°C (Alho et al. 2002). The vegetation of Ilha Grande is represented by the Atlantic forest formation "Floresta Ombrófila Densa" and areas of restinga and mangroves, particularly in the oceanic side (Alho et al. 2002; Rocha et al. 2003).

The island vegetation is in distinct stages of regeneration due to anthropogenic disturbance, in particular past agricultural practices involving the growth of crops such as sugar cane, coffee and corn (Alho et al. 2002). Cultivations were finished when the State Park was established in the area (Araújo and Oliveira 1988). The least disturbed areas of forest are located in the most inaccessible parts of the island.

Field surveys
We gathered information on bird species mainly from primary data. Since 1995, surveys carried out by the authors and members of the Bird Ecology Laboratory of the *Universidade do Estado do Rio de Janeiro* (UERJ) have resulted in the accumulation of bird records for Ilha Grande. Methods used included capture-mark-recapture using mist nets, transects (including visual and vocal records) and supplementary observations. To catch birds we used 10 mist nets (12 x 2.5 m, 36 mm mesh) per month, set for 7 h, from the early morning, over two consecutive days. Nets

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were set in areas of least disturbed forest, mainly near the university research station [*Centro de Estudos Ambientais e Desenvolvimento Sustentável* - CEADS/UERJ - at Vila Dois Rios (Figure 1)]. Captured birds were individually marked with metal rings and released.

Besides the primary data, the list of birds presented in this paper (Table 1) also includes information on the birds of Ilha Grande from other researchers (Maciel et al. 1984; Coelho et al. 1991; Maciel and Pacheco 1995; Pacheco et al. 1997; Buzzetti 2000; Raposo et al. unpublished data; Maciel unpublished data), following taxonomy from CBRO (2008).

Permits were provided by *Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis* (IBAMA) for federal conservation units (# 14210-1), *Instituto Estadual de Florestas* (IEF) for state conservation units (IEF/*Coordenação de Pesquisa* permit # 008/2007), and *Centro Nacional de Pesquisa para Conservação de Aves Silvestres* (CEMAVE/ICMBio) for ringing birds (# 1237/4 and N.° 3036/1).

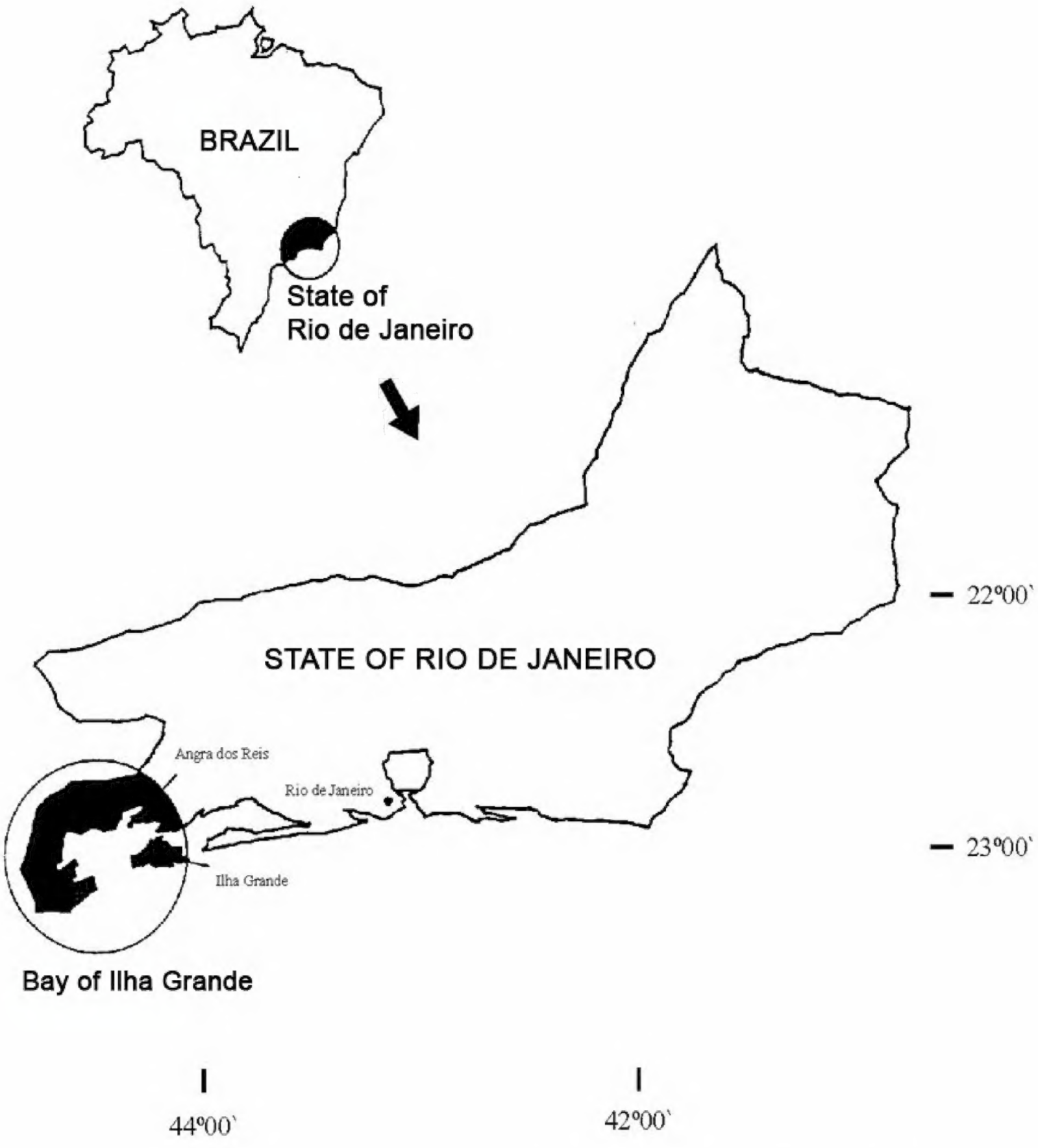

Figure 1. Geographic location of Ilha Grande Island at Ilha Grande Bay, in the state of Rio de Janeiro, Brazil. Source: Alves et al. 2000b.

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Results and Discussion

A total of 175 bird species were encountered at Ilha Grande during the primary surveys. An additional 47 species were obtained from secondary data from other authors (Maciel et al. 1984; Maciel and Pacheco 1995; Coelho et al. 1991; Pacheco et al. 1997; Buzzetti 2000; Raposo et al. unpublished data; Maciel unpublished data), including data from other locations at Ilha Grande besides the ones we sampled (Table 1). This represents 222 bird species from 58 families.

Figure 2. *Thraupis cyanoptera* is an endemic species of Atlantic forest occurring at Ilha Grande, state of Rio de Janeiro, Brazil. Photo by M. B. Vecchi.

Families with higher number of species were Tyrannidae and Thraupidae with 35 and 16 species, respectively. A total of 44 species are endemic of Atlantic forest and nine are threatened with extinction at regional, national or global levels (Table 1). *Elaenia obscura* (d'Orbigny & Lafresnaye, 1837) was recorded by Helmut Sick in 1944 and it was quoted by Pacheco et al. (1997). Although *Megascops atricapilla* (Temminck, 1822) was cited by Pacheco et al. (1997) and Buzzetti (2000), we have referred to *Megascops* sp. in the present study, as we recorded only one species of this genus, which we considered as *Megascops* cf. *choliba*. Therefore, we recommend a more detailed study of this taxon.

Of the 222 species recorded for Ilha Grande (Table 1), 44 (20.7 %) are endemic to Atlantic forest (according to Bencke et al. 2006). This total of endemics is about three times more than that recorded by Alho et al. (2002) for the study area, using the database included in the *Plano Diretor do Parque Estadual da Ilha Grande*.

Nine of the species recorded are threatened with extinction at global (IUCN 2008), national (Machado et al. 2008) and regional (Alves et al. 2000a) levels (Table 1): *Tinamus solitarius* (Vieillot, 1819), *Leucopternis lacernulatus* (Temminck, 1827), *Amazona rhodocorytha* (Salvadori, 1890), *Lipaugus lanioides* (Lesson, 1844), *Pyroderus scutatus* (Shaw, 1792), *Procnias nudicollis* (Vieillot, 1817), *Tangara peruviana* (Desmarest, 1806), *Sporophila frontalis* (Verreaux, 1869) and *Sporophila collaris* (Boddaert, 1783). Additionally, *Myrmotherula unicolor* (Ménétriès, 1835) and *Thraupis cyanoptera* (Vieillot, 1817) (Figure 2) are considered near threatened at the global level.

Atlantic forest remnants at Ilha Grande, as well as Itatiaia (states of Rio de Janeiro and Minas Gerais), can be two remarkable Atlantic forest remnants for *Pyroderus scutatus,* whose populations are much reduced in Southeast Brazil (Sick 1997).

Figure 3. *Lipaugus lanioides* is an endemic species of Atlantic forest occurring at Ilha Grande, state of Rio de Janeiro, Brazil. Photo by M. B. Vecchi.

Of the 175 species recorded during our primary surveys, 127 were captured using mist nets. *Turdus albicollis* Vieillot, 1818 was the species

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most frequently captured in the understory of the least disturbed forest during these systematic long-term studies (Alves 2001; Alves 2007). This kind of data allows evaluations of the population numbers over the years and between years (Alves 2007). Other species frequently captured and recorded based on sightings or vocalizations were *Chiroxiphia caudata* (Shaw & Nodder, 1793) and *Trichothraupis melanops* (Vieillot, 1818). One example of a species not regularly recorded is *Haplospiza unicolor* Cabanis, 1851, captured only six years after starting our mist netting study (Alves 2007). This last species is endemic of Atlantic forest, feeds on bamboo seeds, and is usually detected during the flowering and fructification of these plants (Olmos 1996b). Species eventually captured but with no visual or vocal record were *Pionopsitta pileata* (Scopoli, 1769), *Elaenia mesoleuca* (Deppe, 1830) and *Phyllomyias fasciatus* (Thunberg, 1822). We did not recorded any species based only on vocal record, except *Grallaria varia* (Boddaert, 1783), and *Nyctibius griseus* (Gmelin, 1789), which we have no doubt in terms of vocal identification.

Figure 4. *Selenidera maculirostris* is an endemic species of Atlantic forest occurring at Ilha Grande, state of Rio de Janeiro, Brazil. Photo by M. B. Vecchi

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In contrast to generalist species such as *Pitangus sulphuratus* (Linnaeus, 1766), the frugivores *Lipaugus lanioides* (Figure 3), *Procnias nudicollis*, *Pyroderus scutatus* and *Selenidera maculirostris* (Lichtenstein, 1823) (Figure 4) are restricted in their use of the habitat, and endemic of Atlantic forest (Bencke et al. 2006). The three Cotingidae species, which occur in the superior forest stratum (M. B. Vecchi, unpublished data), are highly sensitive to human disturbance, and good indicators of environmental quality (Parker et al. 1996). Another highly sensitive species according to Parker et al. (1996) is *Leucopternis lacernulatus* (Figure 5), a globally threatened top predator (Table 1). The presence of these species at Ilha Grande reinforces the importance of this area for the conservation of birds of the Atlantic forest biome. Another analysis of the sensitivity of bird species to habitat disturbance indicated a stable conservation status at Ilha Grande, which means that the islands' forests have a satisfactory level of conservation for this group (Alho et al. 2002).

There are few studied islands with Atlantic forest cover to compare with our results. However, our data can be compared with São Sebastião, which together with Ilha Grande is one of the largest islands of the Serra do Mar corridor, and is also located relatively close to the continent. During a study at Ilha de São Sebastião, Olmos (1996a) recorded 207 bird species associated with forest habitats only. Selecting only this group of birds, we recorded 194 species at Ilha Grande, representing approximately 94 % of the total recorded for Ilha de São Sebastião. Considering that Ilha Grande is 57 % of the size of Ilha de São Sebastião, and twice farthest from the continent (3.5 km compared with 1.76 km), Ilha Grande stands out in terms of species richness. However, the number of endemics species of Atlantic forest was slightly higher for Ilha de São Sebastião (58 species, 28 % of the total) than for Ilha Grande (44 species, 23.4 % of the total). In terms of the terrestrial birds, 140 species occurred in both islands, 54 species were exclusive to Ilha Grande and 67 to Ilha de São Sebastião. This similarity is likely to be a consequence of the close proximity and similar environment of both islands, separated by 110 km. Among nationally and/or globally threatened Atlantic forest endemics, only two species were common in both islands (*Procnias nudicollis* and *Sporophila frontalis*), two were exclusive to Ilha Grande (*Leucopternis lacernulatus* and *Amazona*

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rhodocorytha) and four were recorded only at Ilha de São Sebastião [*Pipile jacutinga* (Spix, 1825), *Touit surdus* (Kuhl, 1820), *Myrmotherula minor* Salvadori, 1864 and *Neopelma chrysolophum* Pinto, 1944].

Figure 5. *Leucopternis lacernulatus* is a threatened and endemic bird of Atlantic forest at Ilha Grande, state of Rio de Janeiro, Brazil. Photo by M. S. Zanon.

Browne (2005) compiled a considerable volume of information about birds for continental areas west of Ilha Grande for the municipality of Paraty. Including primary and secondary data, this author listed 379 species for Paraty in localities 20 to 50 km from Ilha Grande. Despite the high species richness for birds and the proximity between Paraty and Ilha Grande Bay, the list we compiled for Ilha Grande in the present study includes 32 species not cited by Browne, which corresponds to 14.4 % of our records. Examples of these species are *Accipiter bicolor* (Vieillot, 1817), *Leucopternis polionotus* (Kaup, 1847), *Claravis pretiosa* (Ferrari-Perez, 1886), *Amazona rhodocorytha*, *A. farinosa* (Boddaert, 1783), *Coccyzus americanus* (Linnaeus, 1758), *Tangara peruviana* and *Sporophila frontalis*.

The list of species we have compiled for Ilha Grande includes about 30% of the 730 bird species occurring in the state of Rio de Janeiro (Gagliardi 2008). In this context, it is important to note that, although our team has worked at Ilha Grande for approximately 12 years, our systematic long-term study is restricted to a small portion of Ilha Grande, so our surveys have probably underestimated the bird species richness.

The presence at Ilha Grande of a representative portion of the avifauna of the state of Rio de Janeiro, together with a high number of endemic species of Atlantic forest and nine threatened species, indicates the importance of this island as a bird species reservoir of Atlantic forest.

Table 1. Birds recorded at Ilha Grande, state of Rio de Janeiro, Brazil. The table identifies: species mist-netted in the present study, endemic species of Atlantic forest (following Bencke et al. 2006) and the global (GL, IUCN 2008), national (BR, Machado et al. 2008) and regional (RJ - Rio de Janeiro, Alves et al. 2000a) threat status. En = endangered; Vu = vulnerable; Ne = near (or probably, in RJ) threatened. Taxonomy follows CBRO (2008). Secondary sources (only for species not recorded by the authors of the present study): 1 = Raposo et al. (unpublished data); 2 = Buzzetti (2000); 3 = Pacheco et al. (1997); 4 = Coelho et al. (1991); 5 = Maciel et al. (1984); 6 = Maciel (unpublished data) and 7 = Maciel and Pacheco (1995).

Family/Species	English Name	Mist-netted	Endemic	Status			Secondary sources
				GL	BR	RJ	
Tinamidae							
Tinamus solitarius (Vieillot, 1819)	Solitary Tinamou	x	x	Ne	Ne	En	

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				GL	BR	RJ	
Odontophoridae							
Odontophorus capueira (Spix, 1825)	Spot-winged Wood-Quail		x				
Podicipedidae							
Tachybaptus dominicus (Linnaeus, 1766)	Least Grebe						3
Spheniscidae							
Spheniscus magellanicus (Forster, 1781)	Magellanic Penguin						
Procellariidae							
Pachyptila vittata (Forster, 1777)	Broad-billed Prion						6
Pachyptila belcheri (Mathews, 1912)	Slender-billed Prion						6
Calonectris borealis (Cory, 1881)	Cory's Shearwater						7
Puffinus puffinus (Brünnich, 1764)	Manx Shearwater						
Sulidae							
Sula leucogaster (Boddaert, 1783)	Brown Booby						
Fregatidae							
Fregata magnificens Mathews, 1914	Magnificent Frigatebird						
Ardeidae							
Tigrisoma lineatum (Boddaert, 1783)	Rufescent Tiger-Heron						5
Nycticorax nycticorax (Linnaeus, 1758)	Black-crowned Night-Heron						1,4
Butorides striata (Linnaeus, 1758)	Striated Heron						
Bubulcus ibis (Linnaeus, 1758)	Cattle Egret						
Ardea cocoi Linnaeus, 1766	Cocoi Heron						
Ardea alba Linnaeus, 1758	Great Egret						
Egretta thula (Molina, 1782)	Snowy Egret						
Egretta caerulea (Linnaeus, 1758)	Little Blue Heron						
Threskiornithidae							
Theristicus caudatus (Boddaert, 1783)	Buff-necked Ibis						
Platalea ajaja Linnaeus, 1758	Roseate Spoonbill						5
Cathartidae							
Cathartes aura (Linnaeus, 1758)	Turkey Vulture						
Coragyps atratus (Bechstein, 1793)	Black Vulture	x					
Pandionidae							
Pandion haliaetus (Linnaeus, 1758)	Osprey						3
Accipitridae							
Harpagus diodon (Temminck, 1823)	Rufous-thighed Kite						1,2
Accipiter bicolor (Vieillot, 1817)	Bicolored Hawk	x					
Geranospiza caerulescens (Vieillot, 1817)	Crane Hawk						3
Leucopternis lacernulatus (Temminck, 1827)	White-necked Hawk	x	x	Vu	Vu	Vu	
Leucopternis polionotus (Kaup, 1847)	Mantled Hawk		x	Ne	Ne	Ne	1
Rupornis magnirostris (Gmelin, 1788)	Roadside Hawk						1,2
Buteo albicaudatus Vieillot, 1816	White-tailed Hawk						3
Buteo nitidus (Latham, 1790)	Gray Hawk						3
Buteo brachyurus Vieillot, 1816	Short-tailed Hawk						1
Spizaetus tyrannus (Wied, 1820)	Black Hawk-Eagle					Ne	

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Family/Species	English Name	Mist-netted	Endemic	Status			Secondary sources
				GL	BR	RJ	
Falconidae							
Caracara plancus (Miller, 1777)	Southern Caracara						
Milvago chimachima (Vieillot, 1816)	Yellow-headed Caracara						
Falco femoralis Temminck, 1822	Aplomado Falcon						3
Rallidae							
Aramides cajanea (Statius Muller, 1776)	Gray-necked Wood-Rail						
Amaurolimnas concolor (Gosse, 1847)	Uniform Crake						6
Laterallus viridis (Statius Muller, 1776)	Russet-crowned Crake						4
Charadriidae							
Vanellus chilensis (Molina, 1782)	Southern Lapwing	x					
Pluvialis dominica (Statius Muller, 1776)	American Golden Plover						
Pluvialis squatarola (Linnaeus, 1758)	Black-bellied Plover						
Scolopacidae							
Gallinago paraguaiae (Vieillot, 1816)	South American Snipe						
Actitis macularius (Linnaeus, 1766)	Spotted Sandpiper						4
Jacanidae							
Jacana jacana (Linnaeus, 1766)	Wattled Jacana						
Laridae							
Larus dominicanus Lichtenstein, 1823	Kelp Gull						
Sternidae							
Sterna hirundinacea Lesson, 1831	South American Tern						3
Thalasseus sandvicensis (Latham, 1787)	Sandwich Tern						1
Thalasseus maximus (Boddaert, 1783)	Royal Tern						1,2
Columbidae							
Columbina talpacoti (Temminck, 1811)	Ruddy Ground-Dove	x					
Claravis pretiosa (Ferrari-Perez, 1886)	Blue Ground-Dove	x					
Columba livia Gmelin, 1789	Rock Dove						
Patagioenas cayennensis (Bonnaterre, 1792)	Pale-vented Pigeon						
Patagioenas plumbea (Vieillot, 1818)	Plumbeous Pigeon	x					
Leptotila verreauxi Bonaparte, 1855	White-tipped Dove	x					
Leptotila rufaxilla (Richard & Bernard, 1792)	Gray-fronted Dove	x					
Geotrygon montana (Linnaeus, 1758)	Ruddy Quail-Dove	x					
Psittacidae							
Pyrrhura frontalis (Vieillot, 1817)	Maroon-bellied Parakeet	x	x				
Forpus xanthopterygius (Spix, 1824)	Blue-winged Parrotlet	x					
Brotogeris tirica (Gmelin, 1788)	Plain Parakeet	x	x				
Pionopsitta pileata (Scopoli, 1769)	Pileated Parrot	x	x				
Pionus maximiliani (Kuhl, 1820)	Scaly-headed Parrot						5
Amazona rhodocorytha (Salvadori, 1890)	Red-browed Parrot	x	x	En	En	Vu	
Amazona farinosa (Boddaert, 1783)	Mealy Parrot	x					
Cuculidae							
Piaya cayana (Linnaeus, 1766)	Squirrel Cuckoo	x					
Coccyzus americanus (Linnaeus, 1758)	Yellow-billed Cuckoo	x					

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				GL	BR	RJ	
Crotophaga ani Linnaeus, 1758	Smooth-billed Ani	x					
Guira guira (Gmelin, 1788)	Guira Cuckoo						
Tapera naevia (Linnaeus, 1766)	Striped Cuckoo						5
Tytonidae							
Tyto alba (Scopoli, 1769)	Barn Owl						
Strigidae							
Megascops cf. *choliba* (Vieillot, 1817)	Tropical Screech-Owl	x					
Glaucidium brasilianum (Gmelin, 1788)	Ferruginous Pygmy-Owl						3
Athene cunicularia (Molina, 1782)	Burrowing Owl						
Nyctibiidae							
Nyctibius griseus (Gmelin, 1789)	Common Potoo	x					
Caprimulgidae							
Lurocalis semitorquatus (Gmelin, 1789)	Short-tailed Nighthawk						1
Nyctidromus albicollis (Gmelin, 1789)	Pauraque	x					
Hydropsalis torquata (Gmelin, 1789)	Scissor-tailed Nightjar						1
Macropsalis forcipata (Nitzsch, 1840)	Long-trained Nightjar						
Apodidae							
Cypseloides sp.							1
Streptoprocne zonaris (Shaw, 1796)	White-collared Swift						
Chaetura cinereiventris Sclater, 1862	Gray-rumped Swift	x					
Chaetura meridionalis Hellmayr, 1907	Sick's Swift	x					
Trochilidae							
Phaethornis ruber (Linnaeus, 1758)	Reddish Hermit						5
Phaethornis eurynome (Lesson, 1832)	Scale-throated Hermit						2
Eupetomena macroura (Gmelin, 1788)	Swallow-tailed Hummingbird	x					
Florisuga fusca (Vieillot, 1817)	Black Jacobin	x	x				
Colibri serrirostris (Vieillot, 1816)	White-vented Violet-ear	x					
Anthracothorax nigricollis (Vieillot, 1817)	Black-throated Mango	x					
Lophornis magnificus (Vieillot, 1817)	Frilled Coquette	x					
Chlorostilbon lucidus (Shaw, 1812)	Glittering-bellied Emerald	x					
Thalurania glaucopis (Gmelin, 1788)	Violet-capped Woodnymph	x	x				
Polytmus guainumbi (Pallas, 1764)	White-tailed Goldenthroat						
Amazilia versicolor (Vieillot, 1818)	Versicolored Emerald	x					
Amazilia fimbriata (Gmelin, 1788)	Glittering-throated Emerald	x					
Trogonidae							
Trogon viridis Linnaeus, 1766	White-tailed Trogon	x					
Alcedinidae							
Megaceryle torquata (Linnaeus, 1766)	Ringed Kingfisher						
Chloroceryle amazona (Latham, 1790)	Amazon Kingfisher	x					
Chloroceryle americana (Gmelin, 1788)	Green Kingfisher	x					

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				GL	BR	RJ	
Momotidae							
Baryphthengus ruficapillus (Vieillot, 1818)	Rufous-capped Motmot	x	x				
Ramphastidae							
Selenidera maculirostris (Lichtenstein, 1823)	Spot-billed Toucanet	x	x				
Picidae							
Picumnus cirratus Temminck, 1825	White-barred Piculet	x					
Veniliornis maculifrons (Spix, 1824)	Yellow-eared Woodpecker	x	x				
Veniliornis spilogaster (Wagler, 1827)	White-spotted Woodpecker		x				2
Colaptes melanochloros (Gmelin, 1788)	Green-barred Woodpecker	x					
Dryocopus lineatus (Linnaeus, 1766)	Lineated Woodpecker	x					
Thamnophilidae							
Dysithamnus mentalis (Temminck, 1823)	Plain Antvireo	x					
Myrmotherula gularis (Spix, 1825)	Star-throated Antwren	x	x				
Myrmotherula unicolor (Ménétriès, 1835)	Unicolored Antwren	x	x				
Herpsilochmus rufimarginatus (Temminck, 1822)	Rufous-winged Antwren	x					
Drymophila ferruginea (Temminck, 1822)	Ferruginous Antbird	x	x				
Drymophila squamata (Lichtenstein, 1823)	Scaled Antbird	x	x				
Terenura maculata (Wied, 1831)	Streak-capped Antwren		x				
Pyriglena leucoptera (Vieillot, 1818)	White-shouldered Fire-eye	x	x				
Conopophagidae							
Conopophaga melanops (Vieillot, 1818)	Black-cheeked Gnateater	x	x				
Grallariidae							
Grallaria varia (Boddaert, 1783)	Variegated Antpitta						
Formicariidae							
Chamaeza campanisona (Lichtenstein, 1823)	Short-tailed Antthrush	x					
Scleruridae							
Sclerurus scansor (Ménétriès, 1835)	Rufous-breasted Leaftosser	x	x				
Dendrocolaptidae							
Dendrocincla turdina (Lichtenstein, 1820)	Plain-winged Woodcreeper	x	x				
Xiphorhynchus fuscus (Vieillot, 1818)	Lesser Woodcreeper	x	x				
Furnariidae							
Furnarius rufus (Gmelin, 1788)	Rufous Hornero	x					
Synallaxis spixi Sclater, 1856	Spix's Spinetail						
Philydor lichtensteini Cabanis & Heine, 1859	Ochre-breasted Foliage-gleaner	x	x				
Philydor atricapillus (Wied, 1821)	Black-capped Foliage-gleaner	x	x				

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Philydor rufum (Vieillot, 1818)	Buff-fronted Foliage-gleaner	x					
Cichlocolaptes leucophrus (Jardine & Selby, 1830)	Pale-browed Treehunter	x	x				
Lochmias nematura (Lichtenstein, 1823)	Sharp-tailed Streamcreeper	x					
Tyrannidae							
Mionectes rufiventris Cabanis, 1846	Gray-hooded Flycatcher	x	x				
Leptopogon amaurocephalus Tschudi, 1846	Sepia-capped Flycatcher	x					
Todirostrum cinereum (Linnaeus, 1766)	Common Tody-Flycatcher						1,2
Phyllomyias burmeisteri Cabanis & Heine, 1859	Rough-legged Tyrannulet						1,2
Phyllomyias fasciatus (Thunberg, 1822)	Planalto Tyrannulet	x					
Elaenia flavogaster (Thunberg, 1822)	Yellow-bellied Elaenia						
Elaenia mesoleuca (Deppe, 1830)	Olivaceous Elaenia	x					
Elaenia obscura (d'Orbigny & Lafresnaye, 1837)	Highland Elaenia						3
Camptostoma obsoletum (Temminck, 1824)	Southern Beardless-Tyrannulet						
Platyrinchus mystaceus Vieillot, 1818	White-throated Spadebill	x					
Myiophobus fasciatus (Statius Muller, 1776)	Bran-colored Flycatcher						1
Hirundinea ferruginea (Gmelin, 1788)	Cliff Flycatcher	x					
Lathrotriccus euleri (Cabanis, 1868)	Euler's Flycatcher	x					
Cnemotriccus fuscatus (Wied, 1831)	Fuscous Flycatcher						
Contopus cinereus (Spix, 1825)	Tropical Peewee						1,2
Pyrocephalus rubinus (Boddaert, 1783)	Vermilion Flycatcher	x					
Knipolegus nigerrimus (Vieillot, 1818)	Velvety Black-Tyrant		x				1
Satrapa icterophrys (Vieillot, 1818)	Yellow-browed Tyrant	x					
Fluvicola nengeta (Linnaeus, 1766)	Masked Water-Tyrant	x					
Colonia colonus (Vieillot, 1818)	Long-tailed Tyrant						
Machetornis rixosa (Vieillot, 1819)	Cattle Tyrant	x					
Legatus leucophaius (Vieillot, 1818)	Piratic Flycatcher						
Myiozetetes similis (Spix, 1825)	Social Flycatcher	x					
Pitangus sulphuratus (Linnaeus, 1766)	Great Kiskadee	x					
Myiodynastes maculatus (Statius Muller, 1776)	Streaked Flycatcher	x					
Megarynchus pitangua (Linnaeus, 1766)	Boat-billed Flycatcher	x					
Empidonomus varius (Vieillot, 1818)	Variegated Flycatcher						1
Tyrannus melancholicus Vieillot, 1819	Tropical Kingbird	x					
Tyrannus savana Vieillot, 1808	Fork-tailed Flycatcher	x					
Rhytipterna simplex (Lichtenstein, 1823)	Grayish Mourner	x					
Sirystes sibilator (Vieillot, 1818)	Sirystes						1,2
Myiarchus swainsoni Cabanis & Heine, 1859	Swainson's Flycatcher						1

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Family/Species	English Name	Mist-netted	Endemic	Status			Secondary sources
				GL	BR	RJ	
Myiarchus ferox (Gmelin, 1789)	Short-crested Flycatcher	x					
Ramphotrigon megacephalum (Swainson, 1835)	Large-headed Flatbill						1
Attila rufus (Vieillot, 1819)	Gray-hooded Attila	x	x				
Cotingidae							
Procnias nudicollis (Vieillot, 1817)	Bare-throated Bellbird	x	x	Vu		Ne	
Lipaugus lanioides (Lesson, 1844)	Cinnamon-vented Piha	x	x	Ne	Ne	Vu	
Pyroderus scutatus (Shaw, 1792)	Red-ruffed Fruitcrow	x	x		Ne	Vu	
Pipridae							
Chiroxiphia caudata (Shaw & Nodder, 1793)	Blue Manakin	x	x				
Tityridae							
Oxyruncus cristatus Swainson, 1821	Sharpbill	x					
Schiffornis virescens (Lafresnaye, 1838)	Greenish Schiffornis		x				2
Tityra cayana (Linnaeus, 1766)	Black-tailed Tityra	x					
Pachyramphus castaneus (Jardine & Selby, 1827)	Chestnut-crowned Becard	x					
Pachyramphus polychopterus (Vieillot, 1818)	White-winged Becard	x					
Pachyramphus validus (Lichtenstein, 1823)	Crested Becard	x					
Vireonidae							
Cyclarhis gujanensis (Gmelin, 1789)	Rufous-browed Peppershrike	x					
Vireo olivaceus (Linnaeus, 1766)	Red-eyed Vireo	x					
Hylophilus thoracicus Temminck, 1822	Lemon-chested Greenlet						5
Hirundinidae							
Pygochelidon cyanoleuca (Vieillot, 1817)	Blue-and-white Swallow	x					
Stelgidopteryx ruficollis (Vieillot, 1817)	Southern Rough-winged Swallow	x					
Progne tapera (Vieillot, 1817)	Brown-chested Martin						1
Progne chalybea (Gmelin, 1789)	Grey-breasted Martin	x					
Tachycineta leucorrhoa (Vieillot, 1817)	White-rumped Swallow						
Troglodytidae							
Troglodytes musculus Naumann, 1823	Southern House-Wren	x					
Cantorchilus longirostris (Vieillot, 1819)	Long-billed Wren	x					
Turdidae							
Turdus flavipes Vieillot, 1818	Yellow-legged Thrush	x					
Turdus rufiventris Vieillot, 1818	Rufous-bellied Thrush	x					
Turdus leucomelas Vieillot, 1818	Pale-breasted Thrush	x					
Turdus amaurochalinus Cabanis, 1850	Creamy-bellied Thrush	x					
Turdus albicollis Vieillot, 1818	White-necked Thrush	x					
Mimidae							
Mimus saturninus (Lichtenstein, 1823)	Chalk-browed Mockingbird						

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				GL	BR	RJ	
Coerebidae							
Coereba flaveola (Linnaeus, 1758)	Bananaquit	x					
Thraupidae							
Nemosia pileata (Boddaert, 1783)	Hooded Tanager						
Thlypopsis sordida (d'Orbigny & Lafresnaye, 1837)	Orange-headed Tanager	x					
Trichothraupis melanops (Vieillot, 1818)	Black-goggled Tanager	x					
Tachyphonus cristatus (Linnaeus, 1766)	Flame-crested Tanager	x					
Tachyphonus coronatus (Vieillot, 1822)	Ruby-crowned Tanager	x	x				
Ramphocelus bresilius (Linnaeus, 1766)	Brazilian Tanager	x	x				
Thraupis sayaca (Linnaeus, 1766)	Sayaca Tanager	x					
Thraupis cyanoptera (Vieillot, 1817)	Azure-shouldered Tanager	x	x	Ne			
Thraupis ornata (Sparrman, 1789)	Golden-chevroned Tanager	x	x				
Thraupis palmarum (Wied, 1823)	Palm Tanager	x					
Pipraeidea melanonota (Vieillot, 1819)	Fawn-breasted Tanager	x					
Tangara cyanocephala (Statius Muller, 1776)	Red-necked Tanager	x	x				
Tangara cayana (Linnaeus, 1766)	Burnished-buff Tanager						1
Tangara peruviana (Desmarest, 1806)	Black-backed Tanager	x	x	Vu			
Dacnis cayana (Linnaeus, 1766)	Blue Dacnis	x					
Hemithraupis ruficapilla (Vieillot, 1818)	Rufous-headed Tanager		x				
Emberizidae							
Zonotrichia capensis (Statius Muller, 1776)	Rufous-collared Sparrow	x					
Haplospiza unicolor Cabanis, 1851	Uniform Finch	x	x				
Sicalis flaveola (Linnaeus, 1766)	Saffron Finch	x					
Volatinia jacarina (Linnaeus, 1766)	Blue-black Grassquit	x					
Sporophila frontalis (Verreaux, 1869)	Buffy-fronted Seedeater		x	Vu	Vu	En	
Sporophila collaris (Boddaert, 1783)	Rusty-collared Seedeater					En	5
Sporophila lineola (Linnaeus, 1758)	Lined Seedeater						
Sporophila caerulescens (Vieillot, 1823)	Double-collared Seedeater	x					
Cardinalidae							
Saltator similis d'Orbigny & Lafresnaye, 1837	Green-winged Saltator	x					
Parulidae							
Parula pitiayumi (Vieillot, 1817)	Tropical Parula						
Geothlypis aequinoctialis (Gmelin, 1789)	Masked Yellowthroat	x					
Basileuterus culicivorus (Deppe, 1830)	Golden-crowned Warbler	x					

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				GL	BR	RJ	
Icteridae							
Molothrus bonariensis (Gmelin, 1789)	Shiny Cowbird	x					
Sturnella superciliaris (Bonaparte, 1850)	White-browed Blackbird						
Fringillidae							
Euphonia chlorotica (Linnaeus, 1766)	Purple-throated Euphonia						
Euphonia violacea (Linnaeus, 1758)	Violaceous Euphonia	x					
Estrildidae							
Estrilda astrild (Linnaeus, 1758)	Common Waxbill						4
Passeridae							
Passer domesticus (Linnaeus, 1758)	House Sparrow	x					

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